Course Specifications
Valid as from the academic year 2018-2019

Manual Skills IV: Paediatric Dentistry, Prosthetic Dentistry, Orthodontics and Restorative Dentistry (D012396)

Course size (nominal values; actual values may depend on programme)
- Credits 5.0
- Study time 150 h
- Contact hrs 150.0 h

Course offerings and teaching methods in academic year 2019-2020
- A (year) Dutch practicum 150.0 h

Lecturers in academic year 2019-2020
- Van Zeghbroeck, Lieve GE36 lecturer-in-charge
- Cauwels, Rita GE36 co-lecturer
- De Coster, Peter GE36 co-lecturer
- De Pauw, Guy GE36 co-lecturer

Offered in the following programmes in 2019-2020
- Master of Science in Dentistry
  - crdts: 5
  - offering: A

Teaching languages
- Dutch

Keywords
- preclinics in paediatric dentistry, prosthetic dentistry, orthodontics

Position of the course

**Prosthetic dentistry:**
The student obtains practical skills in order to be able to perform correct diagnosis, central dispatching (coordination and treatment planning of a complex mutilation towards a simple mutilation) and reconstruction of function, esthetics and mandibular stability of a simple partially edentulous mutilation.

**Orthodontics:**
This lab session is the immediate practical exercise of the course Orthodontics I, is to obtain manual skills in bending the parts of a removable appliance.

**Paediatric dentistry:**
The goal of this exercise is to be able to perform restorations and pulp treatments in deciduous molars according to the actual best practice. In addition, basic splinting techniques following dental trauma are explained and practiced.

**Restorative dentistry:**

Contents

**Prosthetic dentistry:**
- on casts with different mutilations: determination of resilient and rigid designs for free-end and interrupted arches- treatment planning - treatment modalities and diagrams.
- Use of surveyor and surveyor table : determination of path of insertion, location of undercuts, adaption of theoretical design towards individual design.
- Digitizing models, digital design of RPD
- Preparation of abutment teeth : fossae, shoulders, incisal and occlusal rests, adaptation of surveyleine.
- Execution of all steps in the preparation of a frameprosthesis : (- the preliminary impressions - preliminary casts - sulcus determination - the custom tray - the final impressions - the master casts - duplication of casts - record bases with wax occlusal rim - wax-up - ...).
- Preparation techniques for abutment teeth of overdentures depending of reconstruction and mutilation.
- Retainers on natural abutment teeth and implants.

(Approved)
• Visit dental laboratory

**Paediatric dentistry:**
The goal of this preclinical session is to exercise in cavity preparation and pulpotomy techniques in deciduous molars by using the appropriate and most recent materials and by correct application of isolation techniques. Attention will also be paid to pit and fissure sealing in permanent molars. A training is also given in splinting techniques following dental trauma. Preparation for and cementing of the appropriate crown on a deciduous molar will be performed. The exercises are executed on fraßaco and natural teeth.

**Orthodontics:**

**Restorative dentistry**

Initial competences


BA1: Occlusal development, Manual skills I BA2: Manual skills II
BA3: Restorative Dentistry, Oral infection III, Peridontal therapy, Prosthetic dentistry I, Prosthetic dentistry II, Dental Materials I, Manual skills III

Final competences

1. **Prothestic dentistry:**
   - Be competent at designing a stable and functional removable partial denture.
   - Be familiar with the potential and limitations of technological procedures and handling of dental materials during the fabrication of a removable partial denture.
   - Be competent in identifying the limitations of a removable partial denture design.
   - Be able to understand the technical procedures

2. **Orthodontie**

3. **Kindertandheelkunde**
   - The student should be able to restore a deciduous dentition with the appropriate most recent materials and corresponding techniques as well as pulpotomies. The student must be competent to splint correctly following dental trauma.

4. **Restorative dentistry**--- Klik om te editeren ---

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Practicum

Learning materials and price

- **Prosthetic dentistry:**
  - Dutch syllabus: De partiële protese. L. Van Zeghbroeck 2017
- **Orthodontics**
- **Paediatric dentistry**
  - Dutch syllabus “Kindertandheelkunde”

References

**Prosthetic dentistry:**


Course content-related study coaching

Mail appointment

Evaluation methods

- continuous assessment

Examination methods in case of periodic evaluation during the first examination period

Examination methods in case of periodic evaluation during the second examination period

(Approved)
Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation
examination during the second examination period is possible in modified form

Extra information on the examination methods

**Prosthetic dentistry:**
Written tests on specific times.
Evaluation of each assignment.
Final test.

**Paediatric dentistry**
Evaluation while exercising.
Final examination test

Calculation of the examination mark
- prosthetic dentistry: 60/150
- orthodontics: 40/150
- paediatric dentistry: 32/150
- restorative dentistry: 18/150